ABSTRACT OF THE DISCLOSURE

A plurality of substantially S-shaped optical waveguides are embedded in the semiconductor substrate, and at least two optical waveguide returning parts are interposed between the input and output ends of the bent waveguides, and each of the optical waveguide returning parts includes a multiplexing portion. A reflecting part is formed on a rear end side of the multiplexing portion of each optical waveguide returning part. Thus, the length between the input and output ends of the waveguides can be reduced, suppressing a bending loss, achieving to have a high speed and a small size of the integrated device.